

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	52	("spherical aberration" near2 correct\$3) near3 "beam expander"	US-PGPUB; USPAT	OR	ON	2007/01/21 13:51
L2	41	L1 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/01/21 13:51
L7	131	("spherical aberration" near2 correct\$3) near3 "liquid crystal"	US-PGPUB; USPAT	OR	ON	2007/01/21 13:59
L8	116	L7 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/01/21 14:46
L9	308	369/112.02.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/21 13:51
L10	490	369/112.24.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/21 13:51
L11	41	L7 and (L9 or L10)	US-PGPUB; USPAT	OR	ON	2007/01/21 14:46
L12	31	("spherical aberration" near2 correct\$3) near3 "movable"	US-PGPUB; USPAT	OR	ON	2007/01/21 13:59
L13	23	L12 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/01/21 14:10
L14	363	("spherical aberration" near2 correct\$3) near3 "objective lens"	US-PGPUB; USPAT	OR	ON	2007/01/21 14:09
L15	267	L14 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/01/21 14:10
L18	30114	"0.6" adj "mm"	US-PGPUB; USPAT	OR	ON	2007/01/21 14:44
L19	141	"0.6" adj "mm" with (((("HD" or (high near2 density)) near2 ("DVD" or (digital near2 versatile near2 (disk or disc))))))	US-PGPUB; USPAT	OR	ON	2007/01/21 14:46
L20	109	L19 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/01/21 15:10
L21	5	L19 and (L9 or L10)	US-PGPUB; USPAT	OR	ON	2007/01/21 14:48
L22	9	"6747938" "6345034"	US-PGPUB; USPAT	OR	ON	2007/01/21 14:48
L24	1619	((third or three) near2 ((light near2 (source or beam)) or laser or beam)) near3 (base or support\$3 or mount\$3)	US-PGPUB; USPAT	OR	ON	2007/01/21 15:15
L25	70	L24 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/01/21 15:16
L26	242	((third or three) near2 ((light near2 (source or beam)) or laser or beam)) near3 (attach\$3)	US-PGPUB; USPAT	OR	ON	2007/01/21 15:15
L27	9	L26 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/01/21 15:16
L28	4	"6819646"	US-PGPUB; USPAT	OR	ON	2007/01/21 16:07

## EAST Search History

L30	8	(finite adj divergent) near2 light near2 flux	US-PGPUB; USPAT	OR	ON	2007/01/21 16:11
L31	17	(finite adj divergent) near2 (light or flux or beam)	US-PGPUB; USPAT	OR	ON	2007/01/21 16:11
S1	1	10/799641	US-PGPUB; USPAT	OR	ON	2007/01/19 13:15
S2	63	((YUICHI) near2 (ATARASHI)).INV.	US-PGPUB; USPAT	OR	ON	2007/01/19 07:36
S3	41	((KIYONO) near2 (IKENAKA)).INV.	US-PGPUB; USPAT	OR	ON	2007/01/19 07:37
S4	20	((YUICHI) near2 (ATARASHI)).INV.	EPO; JPO; DERWENT	OR	ON	2007/01/19 07:37
S5	12	((KIYONO) near2 (IKENAKA)).INV.	EPO; JPO; DERWENT	OR	ON	2007/01/19 13:15
S6	90	S2 or S3	US-PGPUB; USPAT	OR	ON	2007/01/19 08:23
S7	27	S4 or S5	EPO; JPO; DERWENT	OR	ON	2007/01/19 07:38
S8	308	369/112.02.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/19 07:40
S9	490	369/112.24.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/19 07:40
S10	48452	(third or three) near2 ((light near2 (source or beam)) or laser or beam)	US-PGPUB; USPAT	OR	ON	2007/01/21 15:09
S11	45	S10 and S6	US-PGPUB; USPAT	OR	ON	2007/01/19 09:23
S12	0	S10 and S7	US-PGPUB; USPAT	OR	ON	2007/01/19 08:25
S13	204447	(third or three) near2 ((substrate or layer or thickness) or (protective near2 (substrate or layer)))	US-PGPUB; USPAT	OR	ON	2007/01/19 09:22
S14	25	S13 and S6	US-PGPUB; USPAT	OR	ON	2007/01/19 09:24
S15	0	S13 and S7	US-PGPUB; USPAT	OR	ON	2007/01/19 09:23
S17	1192	S10 same S13	US-PGPUB; USPAT	OR	ON	2007/01/19 09:24
S18	165	S17 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/01/19 14:15
S20	7	S17 and (S8 or S9)	US-PGPUB; USPAT	OR	ON	2007/01/19 13:35
S21	236	(S8 or S9) and (S10 or S13)	US-PGPUB; USPAT	OR	ON	2007/01/19 11:06
S22	24	(S8 or S9) and (S10 and S13)	US-PGPUB; USPAT	OR	ON	2007/01/19 13:19
S23	6	("20020093902" "20020191502" "20030072247" "20030151999" "20030227859" "6545958").PN.	US-PGPUB; USPAT	OR	ON	2007/01/19 11:30

## EAST Search History

S24	3	("20030053223" "20040042084" "6359845".PN.	US-PGPUB; USPAT	OR	ON	2007/01/19 13:15
S25	2	"1251500" "1258871"	EPO	OR	ON	2007/01/19 13:18
S26	181	(S8 or S9) and (S10)	US-PGPUB; USPAT	OR	ON	2007/01/19 13:20
S28	13459	spherical near2 aberration	US-PGPUB; USPAT	OR	ON	2007/01/19 13:21
S29	11362	chromatic near2 aberration	US-PGPUB; USPAT	OR	ON	2007/01/19 13:21
S30	50736	((coupling or collimat\$3 or (beam near2 expand\$3)) near2 lens) or (beam near2 expand\$3)	US-PGPUB; USPAT	OR	ON	2007/01/19 13:33
S31	44462	objective near2 (lens or element)	US-PGPUB; USPAT	OR	ON	2007/01/19 13:33
S32	10534	S10 and S30	US-PGPUB; USPAT	OR	ON	2007/01/19 13:34
S36	3175	S10 and S30 and S31	US-PGPUB; USPAT	OR	ON	2007/01/19 13:35
S37	133	S36 and (S8 or S9)	US-PGPUB; USPAT	OR	ON	2007/01/20 15:40
S41	700	S10 same S30 same S31	US-PGPUB; USPAT	OR	ON	2007/01/19 13:35
S42	45	S41 and (S8 or S9)	US-PGPUB; USPAT	OR	ON	2007/01/19 14:15
S43	87	("2233591" "20020181366" "20030185136" "20050237900" "3305294" "3958884" "4074314" "4210391" "4266534" "4340283" "4501493" "4545653" "4566762" "4612437" "4631397" "4733943" "4741605" "4904856" "4918679" "4929823" "4938573" "4995714" "4995715" "5097464" "5120120" "5132843" "5142411" "5153778" "5161040" "5161148" "5164584" "5195072" "5231624" "5235581" "5281797" "5303221" "5345072" "5349471" "5386319" "5438187" "5446565" "5473471" "5496995" "5512158" "5513158" "5526338" "5583843" "5587981" "5612942" "5615199" "5615200" "5636190" "5638353" "5659533" "5665957" "5696750" "5703856" "5703862" "5708638" "5717674" "5724335" "5734512" "5734637" "5737300" "5754512" "5768242" "5777803" "5777973" "5790503" "5796683" "5815293" "5822135" "5844879" "5881034" "5884879" "5909424" "5917800" "5930214" "5982732" "5986779" "6043912" "6052237" "6285645" "6343058" "6501710" "6549493" "6950383").PN.	US-PGPUB; USPAT	OR	ON	2007/01/19 14:27
S44	349608	(cd or (compact near2 (disk or disc)))	US-PGPUB; USPAT	OR	ON	2007/01/19 14:14
S45	105192	(dvd or (digital near2 versatile near2 (disk or disc)))	US-PGPUB; USPAT	OR	ON	2007/01/19 14:10

## EAST Search History

S46	43069	"BD" or "HDVDV" or "HD DVD" or "blu-ray" or ((high near2 density) near2 (disk or disc or DVD or (digital near2 versatile near2 (disc or disk))))	US-PGPUB; USPAT	OR	ON	2007/01/19 14:13
S47	1771	S44 with S45 with S46	US-PGPUB; USPAT	OR	ON	2007/01/19 14:15
S48	891	S47 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/01/19 14:15
S49	73	S47 and (S8 or S9)	US-PGPUB; USPAT	OR	ON	2007/01/19 14:50
S50	59274	(third or three) near2 (((light near2 (source or beam)) or laser or beam) or (wavelength or (wave near2 length)))	US-PGPUB; USPAT	OR	ON	2007/01/19 14:50
S51	190	S50 and (S8 or S9)	US-PGPUB; USPAT	OR	ON	2007/01/21 13:51
S52	26	S50 and S13 and (S8 or S9)	US-PGPUB; USPAT	OR	ON	2007/01/19 15:32
S53	4	("5033042" "6449235" "6480455" "6590851").PN.	US-PGPUB; USPAT	OR	ON	2007/01/19 15:24
S54	9	((NAOKI) near2 (KAIHO)).INV.	US-PGPUB; USPAT	OR	ON	2007/01/19 15:26
S55	17	((ICHIRO) near2 (MORISHITA)).INV.	US-PGPUB; USPAT	OR	ON	2007/01/19 15:26
S56	33	((NORIYOSHI) near2 (TAKEYA)).INV.	US-PGPUB; USPAT	OR	ON	2007/01/19 15:27
S57	47	S54 or S55 or S56	US-PGPUB; USPAT	OR	ON	2007/01/19 15:27
S58	86953	(multi\$4 or plural\$4) near2 ((light near2 (source or beam)) or laser or beam)	US-PGPUB; USPAT	OR	ON	2007/01/19 15:31
S59	164	S51 not S52	US-PGPUB; USPAT	OR	ON	2007/01/19 15:32
S60	168	S58 and (S8 or S9)	US-PGPUB; USPAT	OR	ON	2007/01/19 15:32
S61	26	S58 and S13 and (S8 or S9)	US-PGPUB; USPAT	OR	ON	2007/01/19 15:32
S62	12	S61 not S52	US-PGPUB; USPAT	OR	ON	2007/01/19 15:32
S63	4	("2002/0012313").URPN.	USPAT	OR	ON	2007/01/19 15:42
S64	117	"condensing lens" near2 parallel	US-PGPUB; USPAT	OR	ON	2007/01/20 14:37
S65	13	S64 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/01/20 16:02
S66	209	"objective lens" with glass with plastic	US-PGPUB; USPAT	OR	ON	2007/01/20 16:02
S67	107	S66 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/01/20 15:40
S68	308	369/112.02.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/20 15:40

## EAST Search History

S69	490	369/112.24.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/20 15:40
S70	17	S66 and (S68 or S69)	US-PGPUB; USPAT	OR	ON	2007/01/20 16:35
S71	90	S67 not S70	US-PGPUB; USPAT	OR	ON	2007/01/20 15:43
S75	114	"objective lens" near5 (refractive near2 surface)	US-PGPUB; USPAT	OR	ON	2007/01/20 16:02
S76	52	S75 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/01/20 16:19
S77	20	("chromatic aberration" near2 correct\$3) near3 "beam expander"	US-PGPUB; USPAT	OR	ON	2007/01/21 13:20
S78	14	S77 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/01/21 13:20
S80	363	("spherical aberration" near2 correct\$3) near3 "objective lens"	US-PGPUB; USPAT	OR	ON	2007/01/20 16:35
S81	267	S80 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/01/20 16:35
S82	321	("spherical aberration" near2 correct\$3) near2 "objective lens"	US-PGPUB; USPAT	OR	ON	2007/01/20 16:35
S83	242	S82 and "369".clas.	US-PGPUB; USPAT	OR	ON	2007/01/20 16:35
S84	46	S82 and (S68 or S69)	US-PGPUB; USPAT	OR	ON	2007/01/20 16:35